

CITY OF DULUTH

Community Resources Department

Planning Division 411 W 1st St, Rm 402 * Duluth, Minnesota 55802-1197

Phone: 218/730.5580 Fax: 218/730.5904

STAFF REPORT

File Numbe	er 10113		Contact	Kyle Deming, ko	deming@duluthmn.gov	
Application Type	MU-I Pla	n Review	Planning Commission Date		12-14-2010	
Deadline	Applic	cation Date	11-02-2010	60 Days	01-01-2011	
for Action	Date E	Date Extension Letter Mailed		120 Days	03-02-2011	
Location o	f Subject	Northwest corner of 10th Ave. E.	and Second St.	(East Hillside)		
Applicant	St. Luke's Ho	spital - Pat Earley	Contact	contact 218-249-5664, pearley@slhduluth.com		
Agent			Contact			
Legal Desc	ription	Lots 13-16, Block 55, Portland Di	vision			
Neighbor L	etter Dat	11-22-2010, sign also posted	Number	of Neighbor Letter	s Sent 21	

Proposal

Construct oxygen storage tanks, electric power transformers, and a 17 stall parking lot to serve St. Luke's hospital and clinic. Please see the attached description of the facilities.

This staff report is based on the 12/3/2010 plan set. The applicant has indicated that a new set of plans will be available 12/10 that address several of the short-comings of the current plan set. Staff will review the 12/10/2010 plan set and will provide it to the Planning Commission with a cover memo to indicate any adjustments to the final recommendations that may be needed.

	Current Zoning	Existing Land Use	Future Land Use Map Designation
Subject	MU-I	Apartment buildings	Medical District
North	MU-N	Homes	Medical District
South	MU-I	St. Luke's Hospital	Medical District
East	R-2	Homes/Apartments	Medical District
West	MU-N	Apartments	Medical District

Summary of Code Requirements (reference section with a brief description):

Sec. 50-15.4.D.3: Applicants that do not opt for approval of a district plan shall obtain separate approval for each development a project through the full development review procedures in Article 5. Procedure includes sign and mailed notices, public hearing, and approval by Planning Commission (Sec. 50-37.11). Projects to be approved if the design complies with all applicable provisions of the Chapter including review of vehicle circulation and building scale, without reference to a district plan.

Purpose statement for the MU-I district (Sec. 50-15.4): The MU-I district is established to provide for the unique development needs and impacts of major medical, educational and research institutional development. The intent is to give institutional landowners the flexibility to plan and develop their facilities while ensuring that surrounding neighborhoods are protected from adverse impacts, such as traffic, overshadowing buildings, noise, and unexpected expansion of institutional uses into residential areas.

Dimensional Standards (Table 50-15.4-1):

Setbacks (minimum): 0' for all structures and parking facilities.

Building height (maximum) for this site: 66'

Comprehensive Plan Findings (Governing Principle and/or Policies) and Current History (if applicable):

The Comprehensive Plan defines "Medical District" as an area encompassing the medical campuses and adjacent areas that support them, with related commercial, office uses and residential uses in the fringe areas of the district.

- Density increasing from fringe to taller buildings in core,
- Form-based guidelines to transition between core and fringe, preserve viewsheds,
- Pedestrian-oriented design, transit facilities, and parking,
- Relationship to institutional master plans.

On Oct. 12, 2010 the Planning Commission approved the determination that the oxygen storage and electric power transformer facilities are related to and supportive of the other medical uses (FN 10099).

On Nov. 22, 2010, the City Council approved rezoning (FN 10101) the site of the oxygen tanks and electrical transformers to MC - Medical Center zoning, which converted to MU-I - Mixed Use-Institutional zoning in the UDC.

Discussion (use numbered or bullet points; summarize and attach department, agency and citizen comments):

Findings of Fact:

- 1) The electric power transformers and oxygen storage tanks were determined by the Planning Commission to be facilities related to and supportive of medical uses and, therefore, are permitted on this site with no use specific standards (Sec. 50-20).
- 2) Sec. 50-23 Connectivity and Circulation: Applicant is providing a pedestrian connection to the public sidewalk on 2nd St.
- 3) Sec. 50-24 Parking and Loading: Parking lot meets all dimensional requirements, including snow storage space.
- 4) Sec. 50-25 Landscaping and Tree Preservation: Landscape plan complies in all areas except for the following: (1) street frontage landscaping required on 2nd St. Applicant asserts, but has not provided evidence, that safety requirements prohibit landscaping within 25' of the oxygen tanks and spacing requirements don't allow for relocation of plant materials in that frontage area. If applicant provides technical evidence to support this, the Land Use Supervisor may approve adjustment (Sec. 50-25.2.J). (2) Concern that the required 6' vegetative screening (Sec. 50-25.4.B and Sec. 50-25.5.B) will not reach the required 75% opacity at the one-year mark given info. on the Arbor Day web page. Will require site review at 1 year mark to verify.
- 5) Sec. 50-26 Screening, Walls, and Fences: Design meets requirements except for the following: Screening for the oxygen tanks and evaporators is not tall enough to completely screen the equipment (Sec. 50-26.2.B.2). Applicant has provided an 8' tall fence to match other fences on site. Building official will need to approve this variation (Sec. 50-26.4.D).
- 6) Sec. 50-27 Signs: Applicant will need to apply separately for a permit for the sign near the parking lot entrance (Sec. 50-37.13).
- 7) Sec. 50-28 Storm Water Drainage and Erosion Control: Applicant will need to apply separately for these permits (50-37.13).
- 8) Sec. 50-29 Sustainability Standards: Not applicable, structures not greater than 10,000 sf. (Sec. 50-29.1).
- 9) Sec. 50-30 Design Standards: Not applicable, structures not greater than 10,000 sf. (Sec. 50-30.2.A.1(c)).
- 10) Sec. 50-31 Exterior Lighting: Applicant has not provided a Lighting Plan, but did provide details on the pole-mounted parking lot luminaries to be used. Applicant has been given until 12/13/2010 to provide the Lighting Plan.
- 11) Comments: E-mail, 12/6/2010, Tom Johnson, City Engineering, storm water design has not been submitted yet (attached).

Staff Recommendation (include Planning Commission findings, i.e., recommend to approve);

Because the 12/3/2010 plans are lacking (1) documentation of the need for flexibility in applying the street frontage landscape requirements for 2nd Street and (2) a complete Lighting Plan, staff recommends the MU-I plan review be tabled unless these deficiencies are cured before the Planning Commission meeting. If the deficiencies are cured, staff's recommendation is: Approve the MU-I plan, subject to the following conditions:

- 1) The project be limited to, constructed, and maintained according to the documents submitted by DSGW Architects titled "St. Luke's Hospital Utilities Services Relocation," dated 12/3/2010, Sheets T.1, C1.0, C2.0, L1.0, A1.0, A2.0, A3.0.
- 2) Land Use Supervisor approves adjustment of 2nd Street frontage landscaping, per Sec. 50-25.2.J.
- 3) Building official approves variation in the screening height for tanks, as allowed by Sec. 50-26.4.D.
- 4) Building official approves the sign permit, per Sec. 50-37.13.
- 5) Engineering and Building official approves the storm water permit and erosion controls, per Sec. 50-37.13.
- 6) Any alterations to the approved plans that do not alter major elements of the plan may be approved by the Land Use Supervisor without further Planning Commission; however, no such administrative approval shall constitute a variance from the provisions of Chapter 50.

MU-I Plan Review Luke's Hospital Subject Site





Legend

Trout Stream (GPS)

Other Stream (GPS)

10' Contour (elev. change)

Zoning (Final)

Public Owned Land

Tax Forfeited

City

State























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The City of Duluth makes no warranty or guarantee concerning the accuracy or reliability. This drawing/data compilation of records, information and data located in contained in this map or electronic document is accurate The City of Duluth has tried to ensure that the information Future Land Use purposes only. The City of Duluth shall not be liable for affecting the area shown and is to be used for reference various City, County and State offices and other sources is neither a legally recorded map nor a survey and is not amages in connection with the use of this information ors contained within this data provided or for any Trout Stream (GPS) led to be used as one. The drawing/data is a St. Luke's Hospital Other Stream (GPS) Sensitive Lands Overlay Transportation and Utilities General Industrial Light Industrial Industrial Waterfront Commercial Waterfront Institutional Medical District Tourism/Entertainment District **Business Park** Large-scale Commercia **Auto Oriented Commercial** Central Business Primary Central Business Secondary General Mixed Use Urban Residential Low-density Neighborhood MU-I Plan Review Neighborhood Mixed Use Neighborhood Commercial Traditional Neighborhood Rural Residential Recreation Preservation Legend Aerial photography flown 2007 **Jrban Residentia** risine leto **Medical District** St. Harden St. Hard S S 8 7 and It of Neighborhood Mixed Use E Star St. Sitting JEFFERSON SQUARE LLC Jefferson Square **Apartments** 200 JEFFERSON SQUARE LLC 7 and that h GBBONS ROBERT C GREONS ROBERT C **IES HOSP ASSN** Subject Site St. Luke's Hospital STUKES HOSPITAL Wied Salling TO MILES HULLING THE STEEL STATES STLUTES HOSE ASSN Hilling of Mesch Spirits ST LUKES HOSP ASSN SHELLE CHEST OF THE SHELL SHEL ng Division, November 22, 2010. Source THE PROPERTY OF THE PARTY OF TH ST LUKES HOSPITAL E 2nd St e Tarken in the second The Still S. Hulle H. S. Hul LUTING HIJESHEJHT ST LUKES HOSPITAL

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St. Luke's Hospital Planning & Zoning Application Attachment 10/31/10

Street Location of Property: 925 E. 2nd Street, 205 N. 10th Ave. East, & 211 N. 10th Ave. East

Legal Description of Property: Tax Parcels 010-3080-07840, 07850, 07880 Lots 13 thru 16, Block 55, Portland Division, Duluth

Proposed Request:

1) MU-I zone district Plan Review per Section 50-37.11 of the UDC for construction of oxygen system/tanks and electrical distribution facilities and secondarily including additional medical district parking spaces on the remainder of the parcel.

Project Description: (Drawings attached)

The current electrical distribution infrastructure serving St. Luke's Hospital is 20 years old and normal planning is requiring replacement. In addition, Minnesota Power is changing voltage of its primary distribution feeder that will make the existing of electrical equipment (transformers/switches) obsolete and un-useful. The old equipment must be in operation during construction of a new arrangement thus requiring a different site. The identified location of the equipment was spotted at location that allows connection to Minnesota' power's high voltage line running down 10th Avenue East and provides for more access space for Minnesota Power to resolve any equipment malfunction in a manner without hindrance of site constrictions. The new site better ensures this new equipment in not in the way of future access by patients, staff and emergency vehicles or of any future expansion of the adjacent hospital or clinic building.

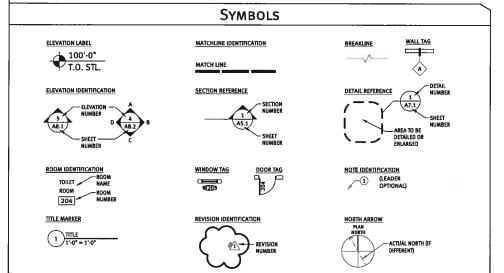
An existing patient oxygen supply system serves the St. Luke's campus patients with oxygen needed for medical treatment. It consists of supply tanks located on a lot across from the hospital building and piping that crosses 10th avenue to the hospital. Oxygen is delivered to the tanks by an oxygen supplier and piped to the patient bedside. The current hospital oxygen supply system is over 20 years old. St. Luke's has been advised by its oxygen supplier that the existing equipment requires replacement due to its age and the existing site is inadequate for new equipment. A thorough review of the St. Luke's campus by the oxygen supply company and St. Luke's facilities staff has been made in an effort to find an adequate new site. Several factors were considered, including: the safety of off loading product, physical separation requirements between the hospital/MRI/clinic building, the need to preserve parking adjacent to the hospital for special access, the aesthetics and screening a opportunities, and the need to be sure new equipment is not in the way of future patient hospital access needs. The proposed site, across 2nd Street from the hospital, provides the best location to serve the campus in the future considering those factors.

Both the electrical and oxygen facility have been spotted in the particular location on this parcel for these reasons:

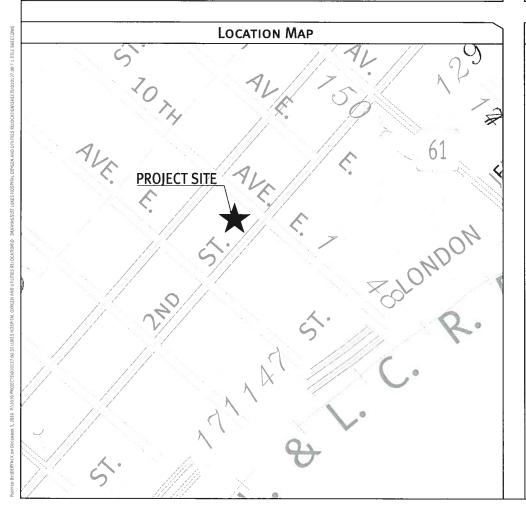
- 1) alignment of equipment with Minnesota power's feeders and the existing established underground street crossing,
- 2) oxygen tank fire codes require specific distances from wood buildings
- 3) the oxygen transport truck needs to be level to transfer liquid oxygen to the tank
- 4) St. Luke's does not have a heating plant it relies on the Duluth steam utility
- 5) on this site, land area and a particular order has to be preserved for future construction of a heating plant should it become necessary for the hospital produce heat for itself. Preserved space would be used for parking until then.
- 6) flexibility in applying future energy conservation opportunities such as combined generation of power and heat.

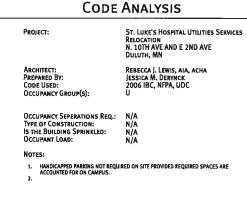
St. Luke's Hospital Utilities Services Relocation 95% CHECK SET CONSTRUCTION DOCUMENTS

DULUTH, MN



MATERIALS						
912421111 121121121 2112112112	EARTH		RIGID INSULATION			
	COMPACT FILL/SAND		BATT INSULATION			
	POROUS FILL/GRAVEL	\$25,50,8	GYPSUM BOARD			
	MORTAR/PLASTER	#	PLYWOOD			
	FACE BRICK		CONT. ROUGH WOOD			
22	CMU		WOOD BLOCKING			
	CONCRETE		FINISHED WOOD			
	STUD WALL/METAL		BITUMINOUS			





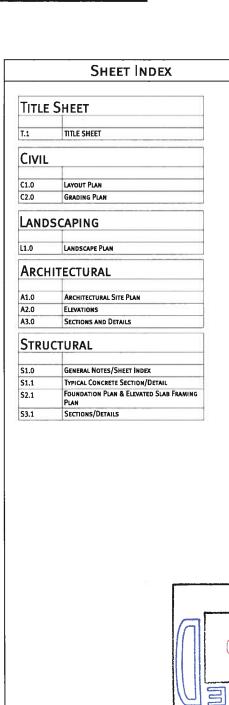
	DESIGN TEAM
ARCHITEC	т
DSGW AR	CHITECTS
	RST STREET SUITE 201
	MINNESOTA 55802
	218-727-2626
FAX:	218-722-7467
CONTACT:	REBECCA J. LEWIS, AIA, ACHA
E-MAIL:	RLEWIS@DSGW.COM
Structui	RAL CONSULTANT
Northlan	D CONSULTING ENGINEERS
114 Sout	H 20TH AVENEUE WEST
DULUTH, A	AN 55806
PHONE:	218-727-5995
FAX:	218-727-7779
CONTACT:	MARK UDD
E-MAIL:	MARK@NCE-DULUTH.COM
CIVIL CON	ISULTANT
Воснт Ем	GINEERING, INC
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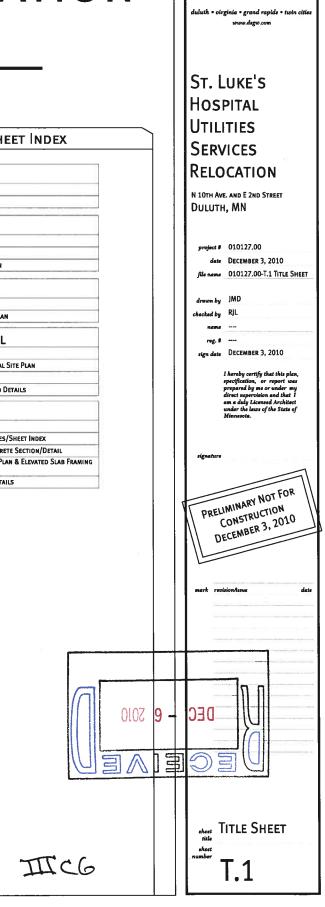
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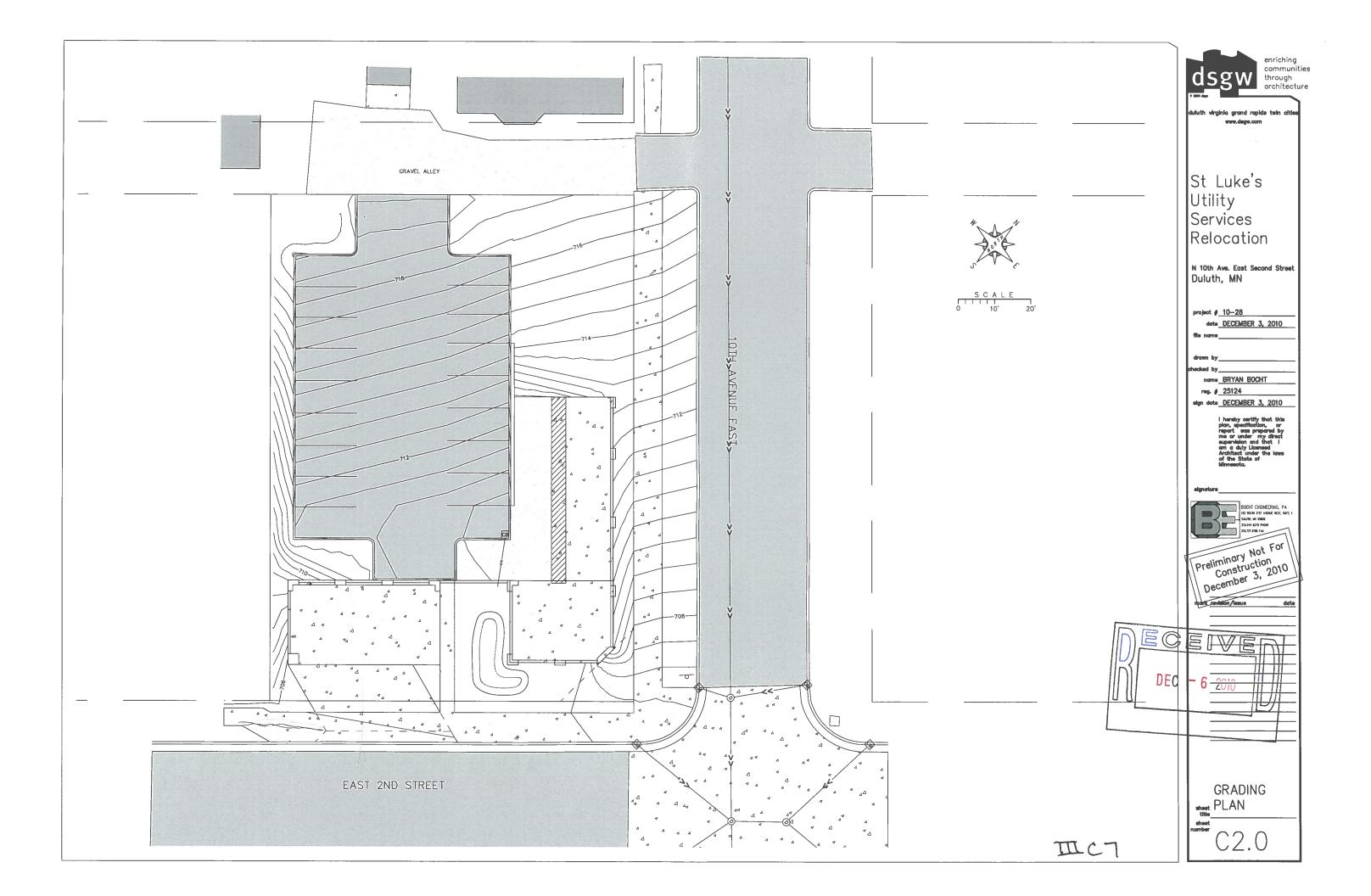
PHONE: 218-349-8070

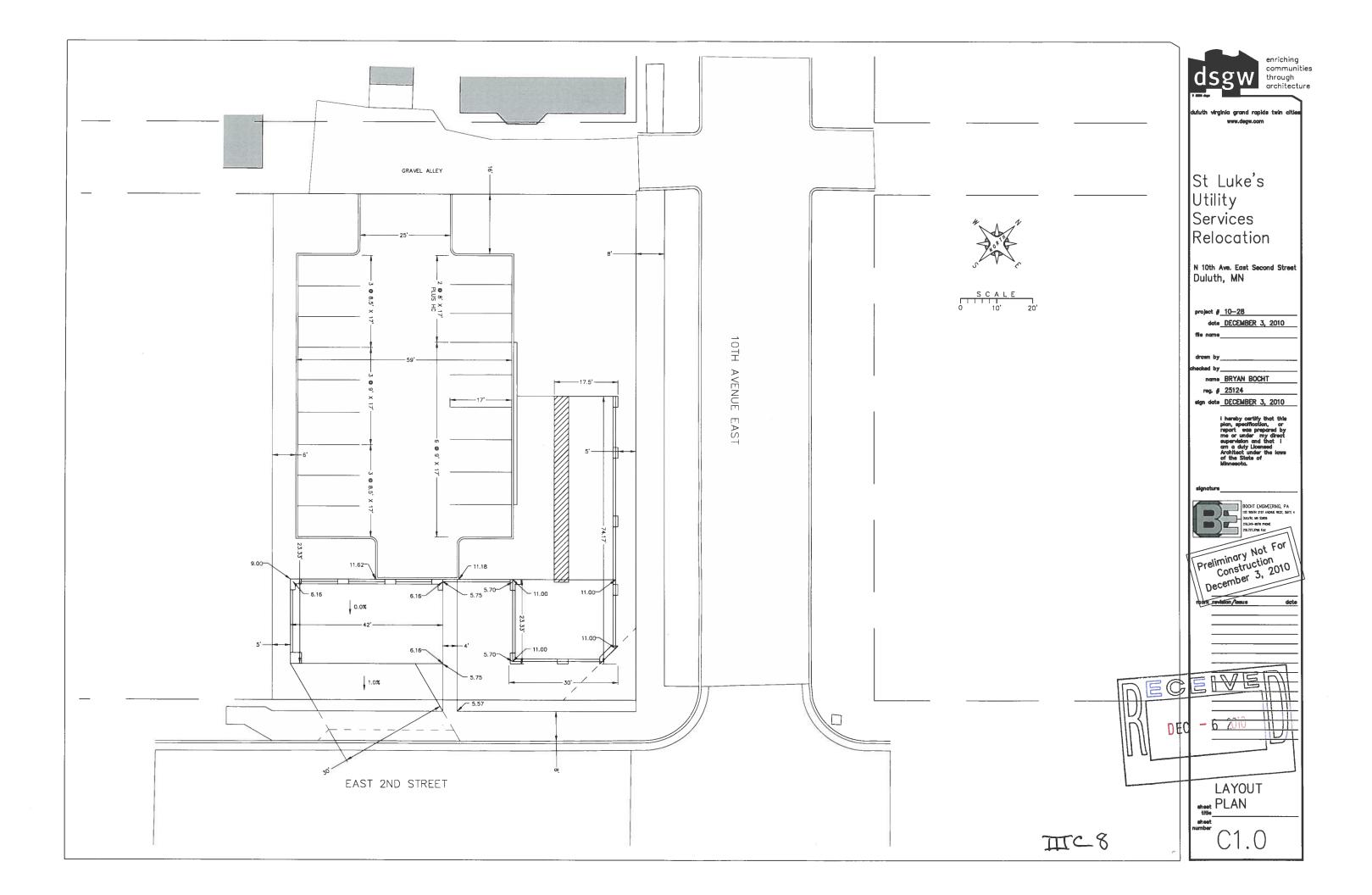
CONTACT: BRYAN BOCHT, PE E-MAIL: BOCHTENGINEERING@MSN.COM

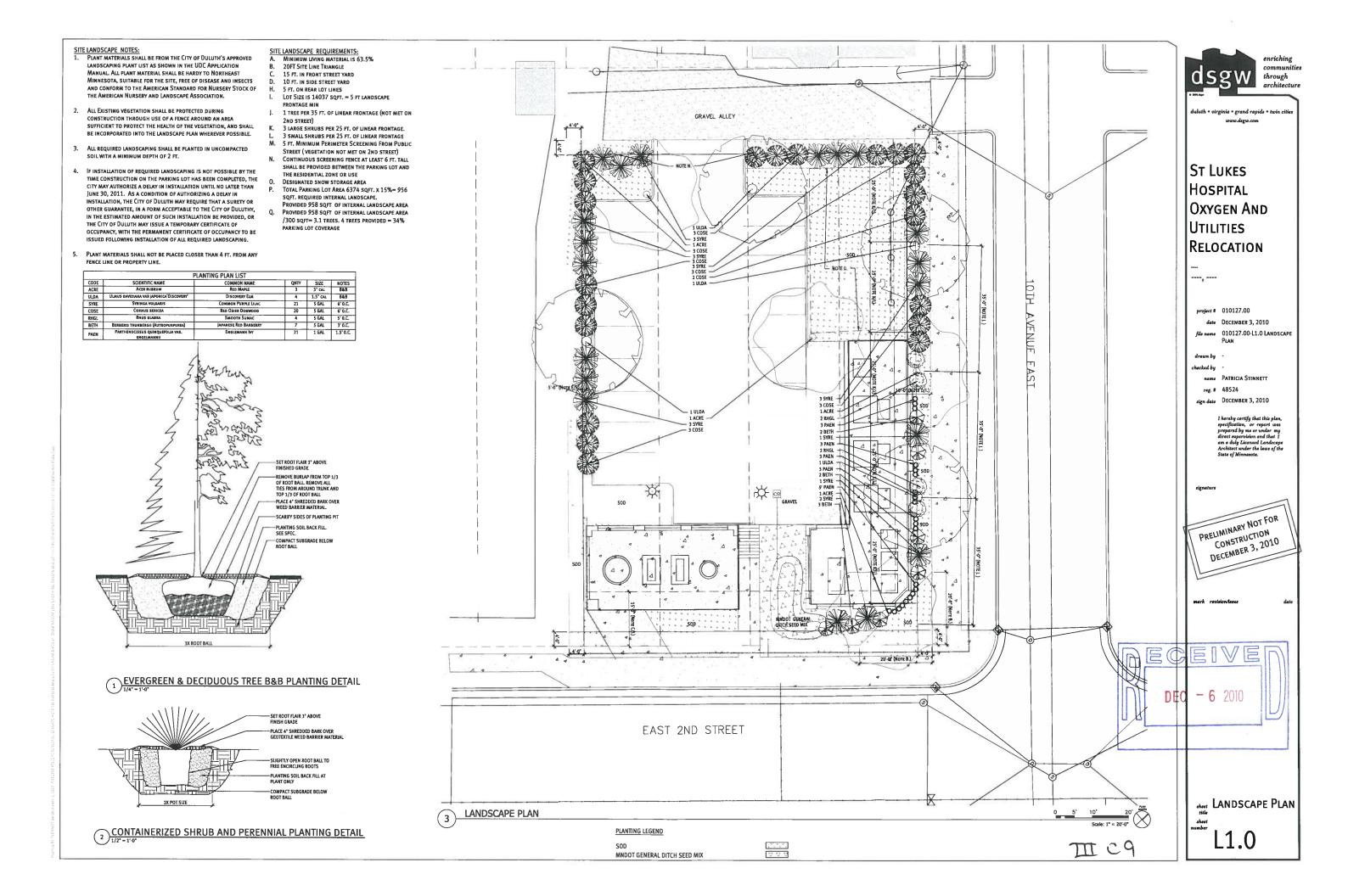
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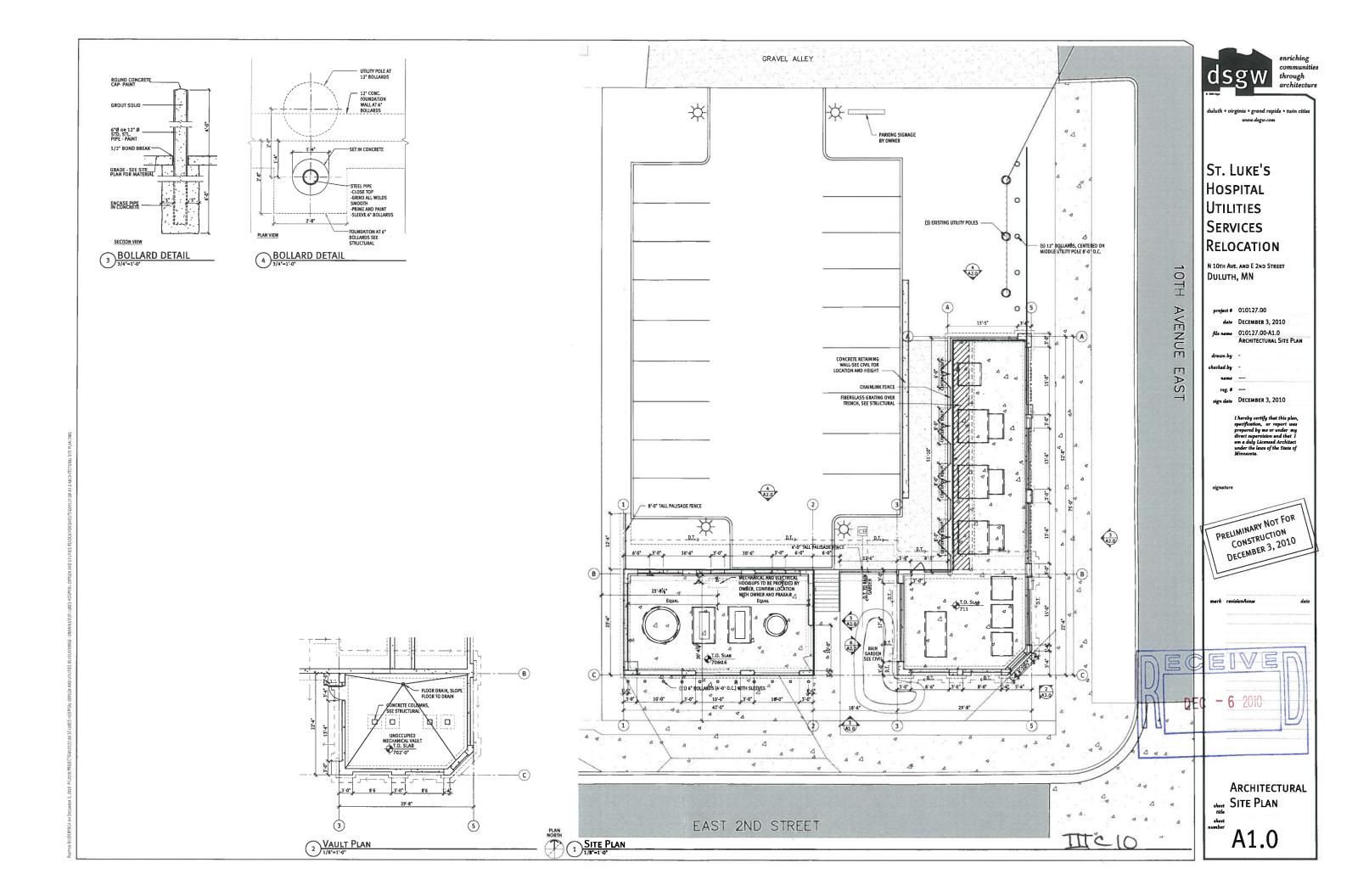


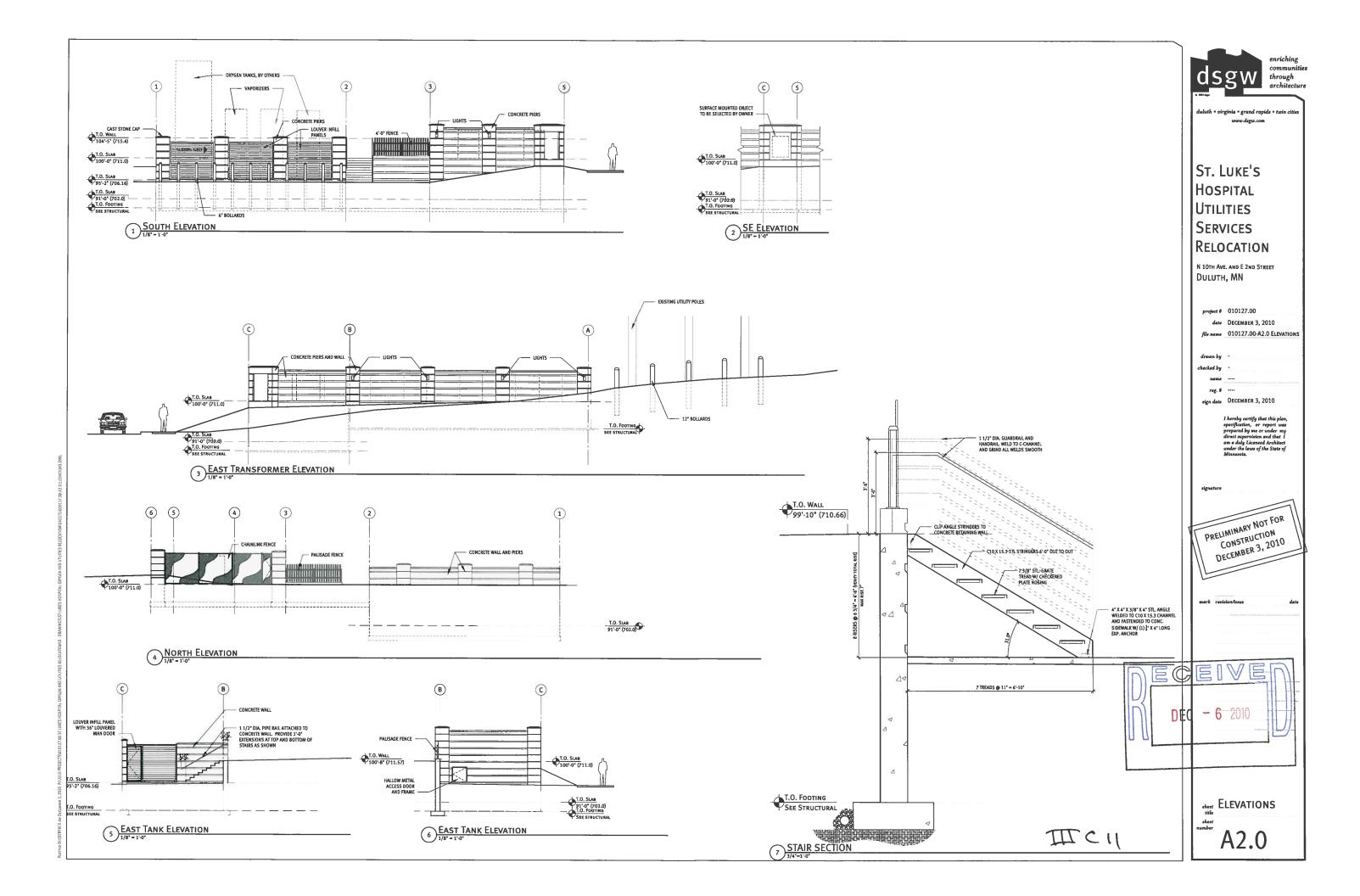


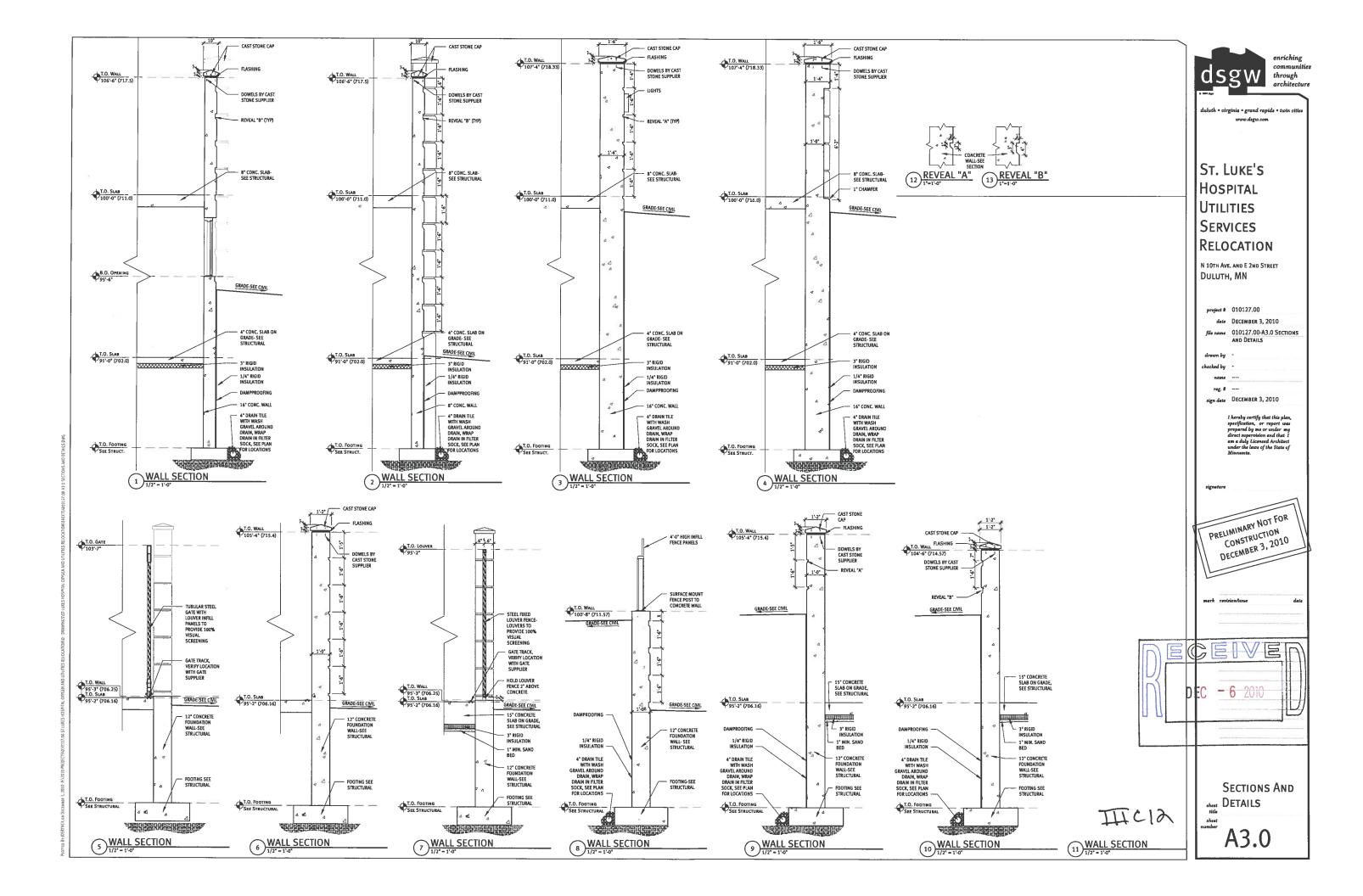




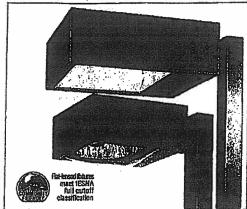


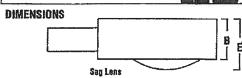


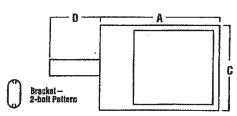




CITATION® (Various reflectors are protected by U.S. Patent No. 6,464,378.)







	A	B	C	D	E
GT2V	511mm / 20-1/8°	203mm / 8"	371mm / 14-5/8*	152mm/6*	286cam / 11-1/4°
CT2H	51 Sarm / 20-1/8*	203mm / 8°	371mm / 14-5/8°	152mm/6*	-
CTM	835mm / 25'	203mm/8*	467mm/18-3/8°	203mm / 8°	-
ETL	737mm / 29'	254mm/10*	533mm/21°	305mm/12*	-

		CT2V 152mm 6° bracket	CT2H 152mm 6 bracket	CTM 203mm 8° bractest	GTL 305mm 12° bracke
- 22i Ş	elgni	1.5	1.4	2.2	3.2
第何 [)186°	3.0	2.8	4.0	6.4
Ų.,	D90°	2.4	2.2	3.9	5.1
10 ⁷ 40	T90°	3.9	3.6	6.1	8.3
Th.	1120°	3.9	3.6	6.2	8.5
	Q90°	4.7	4.4	7.8	10.2
Pa (uses no	railei	2.4	2.2	3.9	5.1

-	SHIPPING W	EIGHTS - Citation	•		
i	Catalog Humber	Est. Weight (kg/ibs.)	Length (mm/in.)	Width (mm/in.)	Height (mm/in.)
Į	CT2H	14/30	546 / 21.5	394 / 15.5	288 / 11.25
4	CT2V	14/30	559 / 22	394 / 15.5	394 / 15.5
1	CTM	17/37	737 / 29	489 / 19.25	343 / 13.5
1	CTL	27 / 59	775 / 30.5	565 / 22.25	451 / 17.75

HOUSING - One-piece aluminum, available in small, medium, and large. Corners are welded and finished to produce a clean, sharp appearance while increasing housing strength and ensuring weather-tight construction.

DOOR FRAME - Aluminum, with two captive stainless steel door fasteners to provide secure closure and easy access with no loose hardware.

LENS/GASKET - Clear flat tempered glass lens (CT2H, CTM, CTL) and a contoured clear tempered glass lens (CT2V) are sealed to the lens frame with EPDM gasketing. The lens frame features a onepiece continuous gasket for maximum sealing to the housing.

SOCKETS - Porcelain mogul-base sockets. All sockets are pulse-rated.

LIGHT SOURCES - Pulse-Start Metal Halide, Pulse-Start Metal Halide Reduced Envelope, Ceramic Metal Halide, Metal Halide or High Pressure Sodium. Glear lamp is supplied as standard.

BALLASTS - High-power factor ballast.
Pulse-Start Metal Halide, Metal Halide, and 250 watt and above High Pressure Sodium fixtures feature a CWA type ballast. 100 and 150 watt HPS fixtures feature HX-HPF ballast. All ballasts are designed for -20° F operation, and are mounted to the housing reinforcing plate.

REFLECTORS/DISTRIBUTION PATTERNS

- Five multi-faceted reflector systems and distribution patterns are available with the Citation: Asymmetrical (A), Type III (3) medium distribution pattern for increased pole spacing, Forward Throw (FT), and Forward Perimeter (FP) for perimeter lighting applications to eliminate stray light and produce a sharp backside cutoff, and Type V (5), for an even symmetrical distribution pattern. A field-rotatable reflector, which provides flexibility in distribution patterns without moving the fixture, is available with the large 1000 Watt Forward Throw Citation only. Photometric data is tested in accordance with IESNA guidelines.

BHACKETS - A 2-1/2" x 5-3/8" x 6" aluminum bolt-on bracket is shipped standard with a small Citation (CT2H and CT2V). A 2-1/2" x 5-3/8" x 8" aluminum bolt-on bracket is shipped standard with a medium Citation (CTM). A 2-1/2" x 5-3/8" x 12" aluminum bolt-on bracket is shipped with a large Citation (CTL). A 6" bracket is available for CTL and CTM in single and D180" configurations. A round pole plate (RPP2) is required for mounting to 3"-5" round poles (See Accessory Ordering Information chart).

FINISHES - Each fixture is finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling, and is guaranteed for five full years. Standard colors include bronze, black, platinum plus, buff, white, satin verde green, metallic silver, and graphite.

PHOTOMETRICS - Please visit our web site at <u>www.isi-industries.com</u> for detailed photometric data.





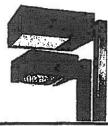
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06/29/09 2009 I INDUSTRIES INC.	Project Name	 A Company with a Sound' Vision

CITATION®

LUMINAIRE ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: CT2H 3 400 PSMHR F MT BRZ PCR

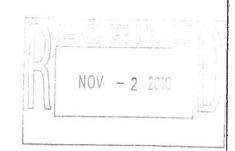


Luminaire Prefix	Distribution	Lamp Wattag	Light Source	Lens	Line Voltage	Luminaire Finish	Options
 Vertical Burn CT2V – Small	FP – Forward Porimeter 5 – Type V	150 175 250 320 400	PSMV – Pulse-Start Metal Hailde 175, 250, 320 Watt PSMVR – Pulse-Start Metal Hailde Reduced Envelope 400 Watt CMH – Ceramic Metal Hailde 150 Watt HPS – High Pressure Sodium 150 Watt	CT – Confoured Clear Impact-resistant Glass	480 MT – Mulli Tap TT – Tri-Tap	BRZ – Bronze BLK – Black PLP – Platinum Plus BUF – Bulf WHT – White SVG - Satin Verde Green GPT - Graphito MSV - Metalife Silver	6BK - 6* Bracket (CTL and CTM) 2 PCR - Photoelectric Control Receptacle 3 LL - Less Lamp
Horizoniai Burn GT2H – Smail	A Asymmetrical 3 - Type III FT - Forward Tillow 5 - Type V	100 150 175 250 320 400	PSMH - Pulse Start Metal Haide 175, 250, 320 Watt PSMHH - Pulse Start Metal Haide Reduced Envelope 400 Watt CMH - Cernaic Metal Haide 150 Watt HPS - High Pressure Sodium 100, 150, 250, 400 Watt	F-Flat Clear Tempered Glass	11 - Int-Tep consi for Canadian applic	insists of 120V, 208V, 240V and ge. Afternate vollagas will requists of 120V, 277V and 347V and 347V and 347V are allows and is prepared for high plages will require field adjusting the second of th	d is shipped standard esi voltage. Alternale
CTM – Medium	A — Asymmetrical 3 — Type III FT — Forward Throw 5 — Type V	250 320 400	PSMH – Pulse-Start Metal Halide 250, 320, 400 Watt HPS – High Pressure Sodkum 250, 400 Watt		Consult Factory		
CTL - Large	A — Asymmetrical 3 — Type III FT — Forward Throw ¹	1000	PSMH — Pulse-Start Metal Halide 750, 1900 Wati MH — Metal Halide 1000 Wati HPS — High Pressure Sodium 1000 Wati	-	for Informational Voltages and Light Sources		

FOOTNOTES:

- 1- CTL-FT Forward Throw reflectors are field-rotatable.
- 2- A 5" bracket can only be ordered with single and D180" configurations CTL and CTM.
- 3- PCR factory installed and prewived for highest voltage. Alternate voltages will require field re-wiring. Photocell must be ordered separately, see Accessories.

Gråer Number	Description	Order Number
122514+	CTM HSS - House Side Shield	122520BLK++
122515+	CTL HSS RM House Side Shield - Rear Mounted	1225218LK++
159516±	CTL HSS SM - House Side Shield - Side Mounted	239683BLK++
1225180+	CT2H PLS - Polycarbonate Skield	168702
FK120	CTM PLS - Polycarbonate Shield	122523
FK277	CTL PLS - Polycarbonate Shield	122524
DFK208, 240	RPP2 - Round Pole Plate	162914BLK++
DFK480	BKS-BO-WM-*-CLR Wall Mount Plate	123111CLR
FK347		
122519BLK++		
122519BLK++	++Diaux oiny	
	122514+ 122515+ 152516+ 152516+ 15225180+ RK120 FK277 DFK208, 240 DFK480 FK347 122519BLK++	122514+ CTM HSS - House Side Shield 122515+ CTL HSS RM - House Side Shield - Rear Mounted 135516+ CTL HSS SM - House Side Shield - Side Mounted 125180+ CT2H PLS - Polycarbonate Shield 125180+ CTM PLS - Polycarbonate Shield 125180+ CTM PLS - Polycarbonate Shield 125180- CTM PLS - Polycarbonate Sh



			50 .2
06/29/09	Project Name	Fixture Type	
D 2009 LSI INDUSTRIES INC.	Catalog #		A Company atthe Secret White.



Kyle Deming - Re: storm water review of St. Luke's oxygen and utility relocation

From:

Tom Johnson

To:

Eric Shaffer; Kyle Deming

Date:

12/6/2010 3:43 PM

Subject: Re: storm water review of St. Luke's oxygen and utility relocation

Kyle and I talked about the project, no preliminary design stormwater meeting has taken place, I have a LA and Civil plan sheet but no information regarding the existing and proposed stormwater treatment approach..... Additionally Bocht Engineering is past due on the submittal of Record Drawings on a previous project that are required/needed by the City, this matter needs resolution prior to conducting additional business. Tom

>>> Eric Shaffer 12/6/2010 3:08 PM >>>

To my knowledge we have not received the official report from Brian. So this can not be approved by us at this time.

Tom- have you received anything? Eric

----Original Message----From: Kyle Demina

To: Shaffer, Eric <eshaffer@duluthmn.gov> To: Johnson, Tom <tajohnson@duluthmn.gov>

Sent: 12/6/2010 3:05:42 PM

Subject: storm water review of St. Luke's oxygen and utility relocation

Eric and Tom,

Has either of you, or Gary, reviewed the plan listed above located at 10th Ave. E. and 2nd street? Bryan Bocht prepared it and reviewed it with you at some point, according to the project lead. The design shows a 19-car parking lot and storm water treatment through a rain garden that discharges to the catchbasin in 2nd St. at 10th.

I need to write up a report on this ASAP and would appreciate some comments on storm water.

Thanks, --Kyle

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